

09/449,801

10644/50101

ABSTRACT

Organic photosensitive optoelectronic devices ("OPODs") ~~are disclosed~~ which include an exciton blocking layer to enhance device efficiency. Single heterostructure, stacked and wave-guide type embodiments ~~are disclosed~~. Photodetector OPODs having multilayer structures and an exciton blocking layer ~~are also disclosed~~. Guidelines for selection of exciton blocking layers are provided.

EL179103231US

38

NY01 213783 v 1